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Document Number 8

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File:DERWENT

July 27, 1999

DERWENT-ACC-NO: 1985-200964

DERWENT-WEEK: 198533

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TITLE:

Base film for high density recording medium - of aromatic polyamide or aromatic polyimide contg. inorganic fine particles of specified size

PATENT-ASSIGNEE: TORAY IND INC[TORA]

PRIORITY-DATA: 1983JP-0234340 (December 14, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 60127523 A	July 8, 1985	N/A	009	N/A
JP 93036849 B	June 1, 1993	N/A	007	G11B 005/66

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP60127523A	N/A	1983JP-0234340	December 14, 1983
JP93036849B	N/A	1983JP-0234340	December 14, 1983
JP93036849B	Based on	JP60127523	N/A

IPC: G11B005/66; G11B005/70 ; G11B007/24

ABSTRACTED-PUB-NO:JP60127523A

BASIC-ABSTRACT:Film comprises aromatic polyamide or aromatic polyimide contg. at least 0.03 wt.% and less than 5 wt.% fine particles of 5-500 micron particle size based on the wt. of the polymer, and having 10 power 4 - 10 power 8/mm2 fine protrusions having 30-500 angstrom height and at least 0.01 micron diameter on at least one side of the film. Aromatic polyamide is paraphenylene terephthalamide, paraphenylene isophthalamide, etc. is used. Aromatic polyimide is of formula (I) wherein R1 is an aromatic tetracarboxylic acid component, such as pyromellitic dianhydride, 3,3', 4,4'-bisphenyl tetracarboxylic di-anhydride etc.; and R2 is an aromatic diamine component such as p-xylylene diamine, metaphenylene diamine, etc. Fine particles described above are inorganic particles, such as MgO, ZnO, WC, Cu, Ag, carbon black, etc. USE/ADVANTAGE - The film has superior electro-magnetic transducing characteristics due to its extremely small unevenness of the surface. The running property and durability are very good because of its small contact area with magnetic head and guide. Vapour deposition and sputtering are possible at higher temp. than polyethylene terephthalate film because of its higher heat resistance, and coercive force and rectangular ratio of the hysteresis loop are improved. The film is used as a material for video tape, audio tape, and base for several floppy discs, etc. Furthermore, the film is useful for base film of optical

recording requiring heat resistance at at least 100 deg.C in the stage of writing of information.

CHOSEN-DRAWING:Dwg.0/0

TITLE-TERMS:

BASE FILM HIGH DENSITY RECORD MEDIUM AROMATIC POLYAMIDE AROMATIC POLYIMIDE
CONTAIN INORGANIC FINE PARTICLE SPECIFIED SIZE

ADDL-INDEXING-TERMS:

OPTICAL MAGNETIC

DERWENT-CLASS: A23 A26 A85 L03 T03 W04

CPI-CODES: A05-F; A05-J01; A11-C04B; A12-E08; L03-B02;

EPI-CODES: T03-A01B; T03-B01; W04-C01;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1510U;1520U ;5085U ;5099U ;5319U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0016 0020 0038 0213 0057 0096 0132 0135 0183 0231 1283 1285
1458 1462 1485 1487 3111 2216 2217 2218 2220 2370 2481 2498 2513 2548 2555
2600 2657 2661 2742 2804 2818 2841 2851

Multipunch Codes: 014 04- 06- 07& 07- 08- 10- 106 141 15- 151 155 16& 163
164 166 168 18& 19& 19- 20& 206 27- 307 308 310 331 385 435 466 471 506 541
56& 575 597 598 602 623 627 634 649 654 658 668 669 684 694 721 724 725

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers:C1985-087837

Non-CPI Secondary Accession Numbers:N1985-150550

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